

**CALL SETUP USING A PACKET-SWITCHED ADDRESS SUCH AS AN  
INTERNET ADDRESS OR THE LIKE**

This application claims priority under 35 USC 120 of PCT/US 98/01419 filed January 26, 1998, designated the U.S., which is incorporated herein by reference, which in turn claims priority of U.S. Provisional Application 60/036,047, filed January 27, 1997.

**BACKGROUND OF THE INVENTION**

The present invention relates to telephone and computer communications.

**2. State of the Art**

With the advent of multimedia computers, considerable activity has occurred in computer telephony. In computer telephony, computer capabilities are used to make telephone communications easier. Different products have achieved different levels of integration between computer and telephone.

In one product category, personal computers, incremental progress continues to be made toward the integration of telephony functions. The most noticeable development has been the advent of the Internet phone, i.e., software for carrying out full-duplex voice communications across the Internet.

In a second product category, smart deskset telephones, various products have begun to emerge, including smart phones from such companies as Philips and Intelliphone.

In a third product category, smart cellular phones, smart cellular phones integrating voice and data communications have begun to become available from such companies as AT&T, Mitsubishi, and Nokia. The PocketNet™ phone from AT&T provides for Internet access using HDML, or Hyper-Device Markup Language. HDML, developed by Unwired Planet Inc. of Redwood City, CA, acts as an intermediary between small devices such as cellular telephones and the Internet at large. The PocketNet phone is software-upgradeable.

A perspective view of the PocketNet phone is shown in Figure 1. The phone may be placed in either a PHONE mode or a NET mode. Figure 2 is a partial perspective view of the phone in PHONE mode. The phone is provided with a display 201 and a keypad 203. Keys within a first row 205 of the keypad are "soft-keys," i.e., keys whose function varies according to operation of the phone and

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